

Translation

PATENT COOPERATION TREATY

PCT/JP2003/008646



PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY
(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference FN03106P	FOR FURTHER ACTION See Form PCT/IPEA/416	
International application No. PCT/JP2003/008646	International filing date (day/month/year) 08 July 2003 (08.07.2003)	Priority date (day/month/year) 08 July 2002 (08.07.2002)
International Patent Classification (IPC) or national classification and IPC E04B 1/32		
Applicant YUGENKAISHA JAPAN TSUSYO		

1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.

2. This REPORT consists of a total of 4 sheets, including this cover sheet.

3. This report is also accompanied by ANNEXES, comprising:

a. ☒ (sent to the applicant and to the International Bureau) a total of 7 sheets, as follows:

☒ sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).

☐ sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.

b. ☐ (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) _____, containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).

4. This report contains indications relating to the following items:

☒ Box No. I Basis of the report

☐ Box No. II Priority

☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability

☐ Box No. IV Lack of unity of invention

☒ Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

☐ Box No. VI Certain documents cited

☐ Box No. VII Certain defects in the international application

☐ Box No. VIII Certain observations on the international application

Date of submission of the demand 17 February 2004 (17.02.2004)	Date of completion of this report 21 July 2004 (21.07.2004)
Name and mailing address of the IPEA/JP	Authorized officer

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2003/008646

Box No. I Basis of the report

1. With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.

- ☐ This report is based on translations from the original language into the following language _____, which is language of a translation furnished for the purpose of:
- ☐ international search (under Rules 12.3 and 23.1(b))
 - ☐ publication of the international application (under Rule 12.4)
 - ☐ international preliminary examination (under Rules 55.2 and/or 55.3)

2. With regard to the elements of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*:

- ☐ The international application as originally filed/furnished
- ☒ the description:
- pages _____ 3-8, 10-20 _____, as originally filed/furnished
- pages* _____ 1, 2, 2/1, 9 _____ received by this Authority on _____
- pages* _____ received by this Authority on _____
- ☒ the claims:
- pages _____ 3, 8 _____, as originally filed/furnished
- pages* _____, as amended (together with any statement) under Article 19
- pages* _____ 1, 2, 7, 9, 11, 14, 15 _____ received by this Authority on 19 March 2004 (19.03.2004)
- pages* _____ received by this Authority on _____
- ☒ the drawings:
- pages _____ 1-41 _____, as originally filed/furnished
- pages* _____ received by this Authority on _____
- pages* _____ received by this Authority on _____
- ☐ a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.

3. ☒ The amendments have resulted in the cancellation of:

- ☐ the description, pages _____
- ☒ the claims, Nos. _____ 4-6, 10, 12, 13 _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to sequence listing (*specify*): _____

4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to sequence listing (*specify*): _____

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP03/08646

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	1-3, 7-9, 11, 14, 15	YES
	Claims		NO
Inventive step (IS)	Claims		YES
	Claims	1-3, 7-9, 11, 14, 15	NO
Industrial applicability (IA)	Claims	1-3, 7-9, 11, 14, 15	YES
	Claims		NO

2. Citations and explanations (Rule 70.7)

Document 1: US, 5724775, A (Zobel, Jr. et al.), 10 March, 1998

Document 2: WO, 01/44593, A1 (Hokko Sohgo Kaihatsu Kabushiki Kaisha), 21 June, 2001

Document 3: Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 131573/1978 (Laid-open No. 47583/1980) (Nittetsu Kinzoku Kogyo Kabushiki Kaisha), 28 March, 1980

Document 4: Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 2511/1983 (Laid-open No. 107675/1984) (Maeta Concrete Industry Ltd.), 20 July, 1984

Document 5: CD-ROM of the specification and drawings annexed to the request of Japanese Utility Model Application No. 54395/1992 (Laid-open No. 8622/1994) (Miura Kogyo Kabushiki Kaisha), 04 February, 1994

Document 6: JP, 7-166719, A (Ibiden Co., Ltd.), 27 June, 1995

The invention relating to claim 1 does not appear to involve an inventive step based on documents 1 and 2 cited in the ISR. Using the component material made from polystyrene foam taught in document 2 as the component for housing of document 1 would be easy for a party skilled in the art.

The inventions relating to claims 2 and 11 do not appear to involve an inventive step based on documents 1-3 cited in the ISR. Using the component material having engagement parts formed on the upper and lower end surfaces, as taught in document 3, as the component for housing of document 1 would be easy for a party skilled in the art.

The invention relating to claim 3 does not appear to involve an inventive step based on documents 1-4 cited in the ISR. Using a joint structure wherein an engagement part on the inside of eaves integral with a roof is engaged with the upper part of a wall, as taught in document 4, in the joint structure of the upper end of a house wall of document 1 would be easy for a party skilled in the art.

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.
Continuation of Box V. 2:

The invention relating to claim 7 does not appear to involve an inventive step based on documents 1-4 cited in the ISR and newly cited documents 5 and 6. Using the peripheral wall structure wherein the inner space thereof forms a rough cuboid taught in document 5 or 6 in the peripheral wall structure of the housing of document 1 would be easy for a party skilled in the art.

The invention relating to claim 8 does not appear to involve an inventive step based on documents 1-4 cited in the ISR and newly cited documents 5 and 6. Document 1 (Fig. 9A) describes giving a connection part of adjacent pieces of component material a rib structure.

The invention relating to claim 9 does not appear to involve an inventive step based on documents 1-4 cited in the ISR and newly cited documents 5 and 6. Using a structure wherein component material is assembled starting from the outside of the dome shaped framing taught in document 3 as the structure for housing of document 1 would be easy for a party skilled in the art.

The inventions relating to claims 14 and 15 do not appear to involve an inventive step based on documents 1-3 cited in the ISR and newly cited document 5. Using a fixed structure wherein an insertion groove of the peripheral wall is engaged from above onto a lower joint member that is provided on the bed member, as taught in document 5, as the fixed structure for the peripheral wall of the housing of document 1 would be easy for a party skilled in the art.